

**Remarks:**

The above amendments and these remarks are responsive to the Office action dated September 28, 2005.

Prior to entry of this Amendment, claims 1-34 remained pending in the application. In the Office action, claims 1-3, 7, 9-13, 15, 17, 18, 20-25 and 27-34 were rejected under 35 U.S.C. §102(e) based on Nakagiri (US 6606669), and claims 4-6, 8, 14, 16, 19 and 26 were rejected under 35 U.S.C. §103(a) based on Nakagiri in view of Itoh et al (US 5490287). Applicants respectfully traverse the rejections, and assert that the rejected claims are neither anticipated nor obvious in view of the cited art.

Nevertheless, to expedite prosecution of the present application to issuance of a patent, and to more particularly point out selected aspects of the claims, applicants have amended claims 15, 22 and 27-33, and have canceled claims 1-14, 21, 30 and 34, without prejudice. The present Amendment also adds new claims 35-50. Each of these claims is fully supported by the application as filed.

Applicants reserve the right to pursue any of the amended or canceled claims in their original form at a later time. Furthermore, applicants have presented arguments showing that claims 15-20, 22-29 and 31-33 are not anticipated or obvious in view of the cited art. Accordingly, in view of the foregoing amendments and the following remarks, applicants respectfully request reconsideration of the application under 37 C.F.R. § 1.111 and allowance of the pending claims.

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Rejections under 35 USC § 102

As indicated above, claims 1-3, 7, 9-13, 15, 17, 18, 20-25 and 27-34 were rejected under 35 U.S.C. §102(e) based on Nakagiri. Nakagiri discloses an information processing apparatus including a host computer and a peripheral device. As described by Nakagiri, the peripheral device employs an identifying unit configured to identify the operating system (OS) of the host computer, and a controller to load a device driver onto the host computer based on the identified OS. Nakagiri does not specify transmission of computing device parameters from the host computer to the peripheral device upon establishment of a communication link. In fact, Nakagiri assumes prior connection of the host computer and peripheral device, and loads the device driver only upon request by the host computer.

As noted above, by this amendment, applicants have cancelled claims 1-14, 21, 30 and 34. Claims 15, 17, 18, 20-25 and 27-29 and 31-33 thus remain rejected under 35 U.S.C. §102(e) based on Nakagiri, and are addressed below.

A. Claims 15, 17, 18, 20 and 22-25

As amended, independent claim 15 reads:

15. A method for use in enabling printing on a printing device, the method comprising:

detecting the establishment of a communication link between a computing device and the printing device where establishment of the link includes transmission of computing device parameters to the printing device; and

in response to the establishment of the communication link, downloading print software stored in memory of the printing device to the computing device, the print software being useful in the computing device printing documents on the printing device.

As indicated generally above, Nakagiri does not disclose or suggest transmission of computing device parameters to the printing device upon establishment of a communication link between a computing device and a printing device. At best,

Nakagiri discloses user-directed loading of a device driver based on an identified operating system.

Furthermore, as shown in Fig. 3 (of Nakagiri), the Nakagiri peripheral transmits the printer driver to the host computer only after receiving a printer driver transmission command. Nakagiri does not download print software stored in memory of the printing device "in response to establishment of a communication link" between a computing device and a printing device, as recited in amended claim 15.

For at least the foregoing reasons, claim 15 is not anticipated by Nakagiri, and the rejection of claim 15 under 35 U.S.C. §102(e) based on Nakagiri must be withdrawn. Claims 17, 18, 20 and 22-25 depend from claim 15, and thus are distinguished for at least the same reasons as claim 15. The rejection of claims 17, 18, 20 and 22-25 under 35 U.S.C. §102(e) based on Nakagiri thus also must be withdrawn.

**B. Claims 27-29**

Claims 27, 28 and 29 each recite: 1) transmission of computing device parameters to the printing device upon establishment of a communication link between the computing device and the printing device including; and 2) downloading print software from the printing device to the computing device in response to the establishment of the communication link. As noted above, Nakagiri fails to disclose transmission of computing device parameters upon establishment of a communication link, and fails to disclose downloading print software in response to establishment of a communication link.

For at least the foregoing reasons, claims 27, 28 and 29 are not anticipated by Nakagiri, and the rejection of claims 27, 28 and 29 under 35 U.S.C. §102(e) based on Nakagiri must be withdrawn.

C. Claims 31-33

As amended, claim 31 recites:

31. A printing device, comprising:  
a file system;  
print software stored in the file system; and  
means for connecting the printing device to a computing device so as to  
allow the computing device to select and download files from the file system,  
wherein the print software includes a start-up program, transferred to the  
computing device on connecting, usable for initiating downloading files from the  
printing device file system.

Nakagiri does not disclose or suggest a start-up program "transferred to the computing device on connecting, usable for initiating downloading files from the printing device file system", as recited in claim 31. In fact, as noted generally above, Nakagiri does not even consider operations upon connecting a printing device to a computing device. Nakagiri only describes user-directed download of a print driver from a peripheral to a host computer. No relationship to establishing a connection between the peripheral and host computer is described.

Nakagiri also does not teach a file system, or even mention files on the printing device. Accordingly, Nakagiri does not teach a means to allow the computing device to select and download files from the file system.

For at least the foregoing reasons, claim 31 is not anticipated by Nakagiri, and the rejection of claim 31 under 35 U.S.C. §102(e) based on Nakagiri must be withdrawn. Claims 32 and 33 depend from claim 31, and thus are distinguished for at least the same reasons as claim 31. The rejection of claims 32 and 33 under 35 U.S.C. §102(e) based on Nakagiri thus also must be withdrawn.

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Rejections under 35 USC § 103

Claims 4-6, 8, 14, 16, 19 and 26 stand rejected under 35 U.S.C. §103(a) based on Nakagiri in view of Itoh et al. Nakagiri discloses a peripheral device that employs an identifying unit configured to identify the operating system (OS) of the host computer, and employs a controller to load a device driver onto the host computer based on the identified OS. Itoh et al. discloses a wireless communication device and printing system using such wireless communication device. The Examiner cites Itoh et al. in view of acknowledging that Nakagiri "fails to teach and/or suggest a communications link (interface 21, fig. 1) is a wireless communication link.

As noted above, by this amendment, applicants have cancelled claims 1-14, 21, 30 and 34. Claims 16, 19 and 26 thus remain rejected under 35 U.S.C. §103(a) based on Nakagiri, and are addressed below. Each of claims 16 and 19 recite a wireless communication link. Claim 26 recites broadcasting a signal from the printing device. All three claims depend from claim 15.

As indicated above with respect to claim 15, Nakagiri does not disclose or suggest transmission of computing device parameters to the printing device upon establishment of a communication link, or downloading print software in response to establishment of a communication link. At best, Nakagiri discloses user-directed loading of a device driver. Itoh et al. similarly does not disclose or suggest transmission of computing device parameters to the printing device upon establishment of a communication link, or downloading print software in response to establishment of a communication link.

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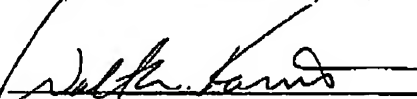
Claims 16, 19 and 26 depend from claim 15, and thus include the features of claim 15. Accordingly, claims 16, 19 and 26 are allowable for at least the same reasons as set forth above with respect to claim 15.

Conclusion

Applicants believe that this application is now in condition for allowance, in view of the above amendments and remarks. Accordingly, applicants respectfully request that the Examiner issue a Notice of Allowability covering the pending claims. If the Examiner has any questions, or if a telephone interview would in any way advance prosecution of the application, please contact the undersigned attorney of record.

Respectfully submitted,

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CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to Examiner T. Pham, Group Art Unit 2624, Assistant Commissioner for Patents, at facsimile number (571) 273-8300 on December 28, 2005.



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